QIBA COPD/Asthma Technical Committee (TC)
August 14, 2013 at 2 PM CT

Call Summary

In attendance
Michael Flynn, PhD
Philip F. Judy, PhD (Chair)
Bernice Hoppel, PhD
Joe Koudelik
Barbara Croft, PhD
Mark Schiebler, MD
Julie Lisiecki
Sean Fain, PhD
Daniel Sullivan, MD

RSNA

Discussion topics:

IWPFI Update - July 17-20: Lung Function Workshop
Drs. Levine and Fain distributed summary notes from the meeting

Profile Development Groundwork
Automatic Exposure Control (AEC) on the COPDGene phantom experiment with scanner model variations discussed
  - Plan to test similar image acquisition protocols on 4 major vendor scanners (GE, Siemens, Toshiba, Philips) to enable a common methodology across vendor platforms for testing the performance of AEC implementations.
  - Goal to develop protocols that would reduce CT dose while maintaining quantitative density measurements within 2% or lower across vendor platforms
  - Progress that the group hopes to achieve:
    - to improve image quality and resolution
    - to look at new techniques for iterative reconstruction and dose reduction for a quantitative protocol
    - to create a safer and more viable approach for longitudinal studies
  - Test sites:
    - GE system: Dr. Fain (University of Wisconsin, Madison)
    - Siemens system: Dr. Newell and Jered Sieren (University of Iowa)
    - Toshiba system: Dr. Hoppel and Dr. Judy
    - Philips system: volunteer site needed

Action items:
Feedback requested by Dr. Judy on Profile draft to-date up to the section on analysis: philipfjudy@philipfjudy.com.
Feedback regarding a QIBA session at the STR meeting in March 2014 may be sent to Dr. Lynch: LynchD@NJHealth.org.
Dr. Fain to draft an imaging protocol for the GE platform
Drs. Newell and Sieren to draft an imaging protocol for the Siemens platform
Dr. Judy to draft an imaging protocol for the Toshiba platform
Dr. Judy to follow up with Dr. Sullivan regarding a call with Dr. Crapo to discuss a strategy for approaching CBQC

Upcoming Meeting: September 7-11: European Respiratory Society

Next call date(s): QIBA COPD/Asthma Tech Committee Update Call, Wednesday, August 28, 2013, 2 pm CT

Upcoming call dates: (also posted to QIBA wiki): September 11th & 25th, October 9th & 23rd.

RSNA 2013 Annual Meeting - QIBA Technical Committees Working Meeting:
Wednesday, December 4th | 3:00pm – 5:00pm | Chicago, McCormick Place | Room: TBD
Please let us know whether you plan to attend by responding to the following poll: http://www.doodle.com/fwf76ceggb78r75b.
We appreciate your continued support and look forward to your participation - Thank You!